

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053423 A1

(51) International Patent Classification⁷:
1/18, A23L 1/302, 1/304, A61P 1/00

A23K 1/16,

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/NO2004/000374

(22) International Filing Date: 6 December 2004 (06.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20035410 5 December 2003 (05.12.2003) NO

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): PIGEON VITALITY AS [NO/NO]; Svinten 19, N-3941 Porsgrunn (NO).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicants and

(72) Inventors: BRAKSTAD, Frode [NO/NO]; Svinten 19, N-3941 Porsgrunn (NO). RAAHOLT, Morten, Harrington [NO/NO]; Jordelia 12, N-3267 Larvik (NO).

(74) Common Representative: BRAKSTAD, Frode; Svinten 19, N-3941 Porsgrunn (NO).

WO 2005/053423 A1

(54) Title: FOOD AND FEED SUPPLEMENT AND ITS USE

(57) Abstract: The present invention relates to a food and feed supplement, and its use, where the supplement comprise as the basic component at least one carboxylic acid and/or its salt, an iron component and vitamins B₆, B₉ and B₁₂ in amounts corresponding to at least that which theoretically can be consumed during the metabolism of the COOH-groups present. The supplement may also contain a desiccant and an antioxidant. The supplement will have a pH in the range 2.0-6.0 when dissolved in water. The supplement is characterized in that the amounts of the vitamins B₆, B₉ and B₁₂ are in the range of 0.5-30mg, 0.1-10mg and 1-1500 µg/gram dry weight of the content of the pure carboxylic acids in the supplement, respectively. The supplement can be used in animal feed in amounts of 0.5-15 grams dry supplement/kg dry feed.